

Going beyond Core

```
~/julia/base$ ../julia --output-jl inference.jl coreimg.jl
```

```
~/julia/base$ ../julia --output-o sys.o --sysimage inference.jl sysimg.jl
```

```
~/julia/base$ cc -shared -o sys.so sys.o -ljulia -L ../usr/lib
```

```
~/julia/base$ ../julia --sysimage sys.so
```

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julia> | A fresh approach to technical computing
      | Documentation: http://docs.julialang.org
      | Type "?help" for help.
      |
      | Version 0.5.0-dev+4711 (2016-06-14 03:43 UTC)
      | jn/demo/09e75d4* (fork: 4 commits, 1 day)
      | x86_64-apple-darwin15.5.0
```

Deeper Inspection

But what did we just do?

- Julia as a compiler for writing Julia programs in Julia
- Static output with dynamic semantics